

City Council Utility Committee

Meeting Agenda

Friday, April 12, 2019

COUNCIL CHAMBERS, CITY HALL, 2ND FLOOR

1:00 - 3:00 pm

- I. Call to Order
- II. Roll Call
- III. Approval of Agenda
- IV. Approval of Minutes from March 15, 2019
- V. Public Comments on Items Not on the Agenda
- VI. Agenda Items and Date for Next Meeting
 - Advance Agenda & Meeting Dates
- VII. Dashboard
- VIII. Utility Financial Review and Rate Setting Plan
- IX. Cost of Service
- X. Preliminary Utility 2020 Rates
- XI. Solid Waste
 - General Update
 - Transition Timeline
 - Initial Administrative Fee Review
- XII. Update – Water Resources
 - Water Supply Update
 - Windy Gap Firming Project Update
- XIII. Upcoming Projects and Council Action
 - SCWTP Disinfection CM and Construction – 3rd QTR
 - Windy Gap Financing – TBD
- XIV. Adjourn 3:00 pm

Attachments: 3-15-19 Draft Minute

Advance Agenda

Utility Financial Review and Rate Setting Plan Memo

Cost of Service Memo

2020 Rate Tables

Solid Waste Management Fund Table

Supply Forecasts

**City Council
Utility Committee**
Draft - Meeting Minutes
Friday, March 15, 2019
SCWTP CONFERENCE ROOM

I. **Call to Order** – Councilmember Stolzmann called the meeting to order at 2:35 pm.

II. **Roll Call** was taken and the following members were present:

City Council: *Mayor Muckle, Councilmember Stolzmann and Councilmember Maloney*

Staff Present: *Mrs. Davis, Mr. Kowar, Mr. Watson, Mr. Mosley, Mr. Peterson, Mrs. Golden and Mrs. Hogan.*

Public: *N/A*

III. **Approval of Agenda**

Councilmember Maloney motioned to approve the agenda and Mayor Muckle seconded the motion. All approved the Agenda.

IV. **Approval of the Minutes**

Councilmember Maloney motioned to approve the January 19, 2019 meeting minutes and Mayor Muckle seconded the motion. All approved the minutes.

V. **PUBLIC COMMENTS ON ITEMS NOT ON THE AGENDA**

None

VI. Agenda Items and Date for Next Meeting

- Preliminary 2020 Rates
- Water Supply Update (Drought Strategy if needed)
- Windy Gap/Financing
- CIP Update
- Water Engineering Update
- 3rd Quarter Financial Review (2019)
- Next meeting date is April 12, 2019 at 1:00 p.m.

Councilmember Stolzmann provided a work plan to be incorporated with the advance agenda. The new format will be included in the next committee meeting agenda packet.

VII. Reclaim Rate

Mr. Peterson gave an overview for the reclaim water system and explained the purpose for the reclaim system as risk mitigation for the entire water supply system. The recent cost of service analysis completed by utility staff was presented. Next, the Committee discussed the process utilized for the reclaim rate setting as part of the 2014 Water, Wastewater and Stormwater Utility Rate Study. Mr. Peterson went on to discuss the marginal cost determination and went through the two options of using a per unit rate of \$0.85 per thousand gallons or a flat rate that would be \$37,300 for an annual fee that would be split between the three reclaim users. The Committee provided direction to modify the existing reclaim water rate policy from 75% of the first tier residential potable rate to a new rate of \$0.85 per thousand gallons for City-only reclaim customers beginning in 2019.

VIII. Water CIPs Budget Adjustments

Mr. Peterson explained the recent activities connected to the water fund and the trend in higher bid prices than those projected in the budget. Each of the anticipated budget impacts to the water fund were discussed in detail.

Southern Water Supply Pipeline (SWSP) – Mr. Peterson outlined the intent of this project for an additional water line to increase the delivery capacity of the City's Northern Water supplies of C-BT and Windy Gap to the Sid Copeland Water Treatment Plant. Mr. Peterson continued discussing the project costs overages. Councilmember Stolzmann asked when the City will need the capacity. Mr. Peterson explained the capacity provided by this project is tied to buildout and future demands. In addition, the majority of the water is estimated from the Windy Gap Firing Project (WGFP) which has a 4 to 5 year construction time frame. Councilmember Maloney asked when would be a target date for needing this project. Mr. Peterson suggested as a minimum the SWSP should be constructed before WGFP is complete in 2024. Further, the project does have value in conducting the project as scheduled. The Committee asked for further details on the timing and supplies. Staff committed to providing this information prior to or at

the next meeting. The Committee continued discussing project costs and how construction wages are driving the costs up.

Water Line Break – The Second project discussed was related to the water line break at Eisenhower. The current estimate for this work will increase the cost of the waterline replacement program by an additional \$1.5 million. Mr. Kowar explained that the cause of the break appears to be corrosion resulting from soil conditions. To mitigate the corrosive soils, the City has utilizes PVC pipe in the waterline replacement program for many years. Mr. Kowar continued discussing where the lines will be replaced and what is included in the scope of work.

SCWTP Disinfection Evaluation - Mr. Peterson presented the two main factors that are driving up the cost for this project. Mr. Kowar added the intent of the project is to improve the safety and functionality of the water plant. Given the higher cost, Mr. Kowar has directed staff to reevaluate the alternatives and confirm the appropriate direction forward. The existing chlorine system has been noted as part of the sanitary survey inspections performed by the Colorado Department of Public Health and Environment as requiring future improvements to maintain compliance. Mr. Peterson stated that it is highly likely that the City will either need to make the switch as currently recommended or design improvements to the existing system within the next two years.

SCWTP Upgrades – Mr. Peterson explained the needs and desires for the renovation of the administration building. He went on to illustrate the two options of renovating approximately 500 square feet of existing space or/and the expansion of around 750 square feet of new space. Councilmember Stolzmann stated that this project should be integrated with the disinfection project and should be decided together.

Windy Gap – Mr. Peterson described the ongoing delay and the impacts to the overall project budget.

Operating and Maintenance Budget - Mr. Peterson went on to explain that a couple items got inappropriately accounted for in the operating line items during the budget process. The largest two being the lead and copper sampling and the ground penetrating radar for the Eisenhower waterline break. Mr. Peterson stated that several of budget items approved for 2019 were below the 2018 expenditures. These operational budget items are included in the proposed budget amendment for an upcoming Council meeting.

NCWCD Pump Station – Mr. Peterson outlined that NCWCD (Northern Water) as updated their last estimate of \$93,000 in 2019 to \$150,000 in 2020. This work is tied to the City's prorate of the shared costs for these facilities. Committee discussed time lines of design, bidding and construction.

Tap Fees – Mr. Peterson summarized the shortages on tap fees revenue for 2018. In discussion, it was determined the shortage was related more to timing of projects not developing as quickly as estimated. Mr. Peterson reminded the Committee that that rate model utilizes a delayed mechanism for the tap fees and 2018 revenue are shown in the 2019 model year. This delay mutes the model response to tap fee revenue and provides for greater time for adjustments or response. Mr. Peterson explained how the tap fees are tied to the population projection.

In conclusion, staff requested approval to move forward with the design for all projects (SWSP, Waterline Replacement, Disinfection Evaluation, and the SCWTP Admin Upgrades) to better understand potential cost changes and to evaluate possible alternatives and value engineering options. The Committee was in favor of allowing the designs to proceed. Staff will provide periodic updates as more information becomes available.

IX. Solid Waste Fund and Transition Discussion

Mr. Kowar presented the preliminary communication and transition plans for the solid waste contract. Committee members agreed on the importance of a clear and unified communications plan with clearly identified points of contact for residents to reach if they have questions.

X. Update – Water Resources

- **Water Supply Update** – Mr. Peterson provided an overview of the current water supply conditions which shows snow pack conditions in our region at 136% of average. At this time drought restriction are not anticipated for 2019.
- **Windy Gap** – Mr. Peterson stated that final design is progressing and project is awaiting a hopefully swift resolution to the permitting and water court activities.

XI. Upcoming Projects and Council Action

- 2019 Utility Rates – Committee discussed the rates and some of the major drivers. The rates are planned for the March 19 Council Meeting. The Utility Committee was in favor of the rates as presented and recommended Council approval.
- SWSP Transmission Capacity Design – April 2nd
- SCWTP Building Upgrades – April 2nd
- SCWTP Disinfection CM and Construction – 3rd QTR
- Windy Gap Financing - TBD

XII. Adjourn

The meeting was adjourned at 4:15 pm. A tour of the Sid Copeland Water Treatment Plant plate settlers and pump station projects was held following the meeting.

City of Louisville Colorado Utility Committee Work Plan – April 12th

Topics will be discussed in the quarter which they are listed. Items that are not complete will roll to the next quarter.

Every Meeting:

- Capital Projects Progress
- Enterprise Dashboards: inclusive of KPI progress, water supply update, water use by customer class, revenue and expense by enterprise (and by customer class where appropriate), energy use by enterprise

First Quarter

- ✓ Solid Waste RFP
- ✓ Reclaim Rate
- ✓ Windy Gap Update
- ✓ Discussion of projects with needed budget amendments
- ✓ Solid Waste Rollout Discussion
 - ✓ Communication Plan
 - ✓ EAB
 - ✓ Branch Recycle Improvements/WWTP opportunities

Second Quarter

- 2020 Rates
- Solid Waste Transition Plan Update
 - Spring and Fall Clean-up Plan
 - Customer Service
- Utility Rate Equity and Cost of Service
- Utility Rate Design
- Windy Gap and Financing
- SCWTP Upgrades + Disinfection
- Louisville Pipeline Report
- Water Loss Audit Report
- Water Breaks Update- Locations & Dates
- Asset Replacement Schedule Review
- Administrative Fee (solid waste) review & recommendation

Third Quarter

- 2020 Rates
- Utility Rate Equity and Cost of Service
- Utility Financial Policies
- Instream Flow Update
- Asset Management Software Presentation & Asset Renewal Replacement
- Buildout (Phillip 66) Scenarios

Fourth Quarter

- Finalize 2020 Rates
- Multi-family and Commercial Recycling Regulation Discussion
- Windy Gap

To: Utility Committee
From: Cory Peterson, Water Resources Engineer
Date: 4/12/19
Re: Utility Financial Review and Rate Setting Plan

Overview:

One of Public Work's 2019 goals is to complete a review of the overall rate setting process. The past five years of utility rates have been based on the methodologies and processes outlined in the Water, Wastewater Stormwater Utility Rate Study that was completed in 2014. The performance of this periodic review intends to ensure that best practices are being maintained and that rates are meeting the objectives of the utility.

Plan:

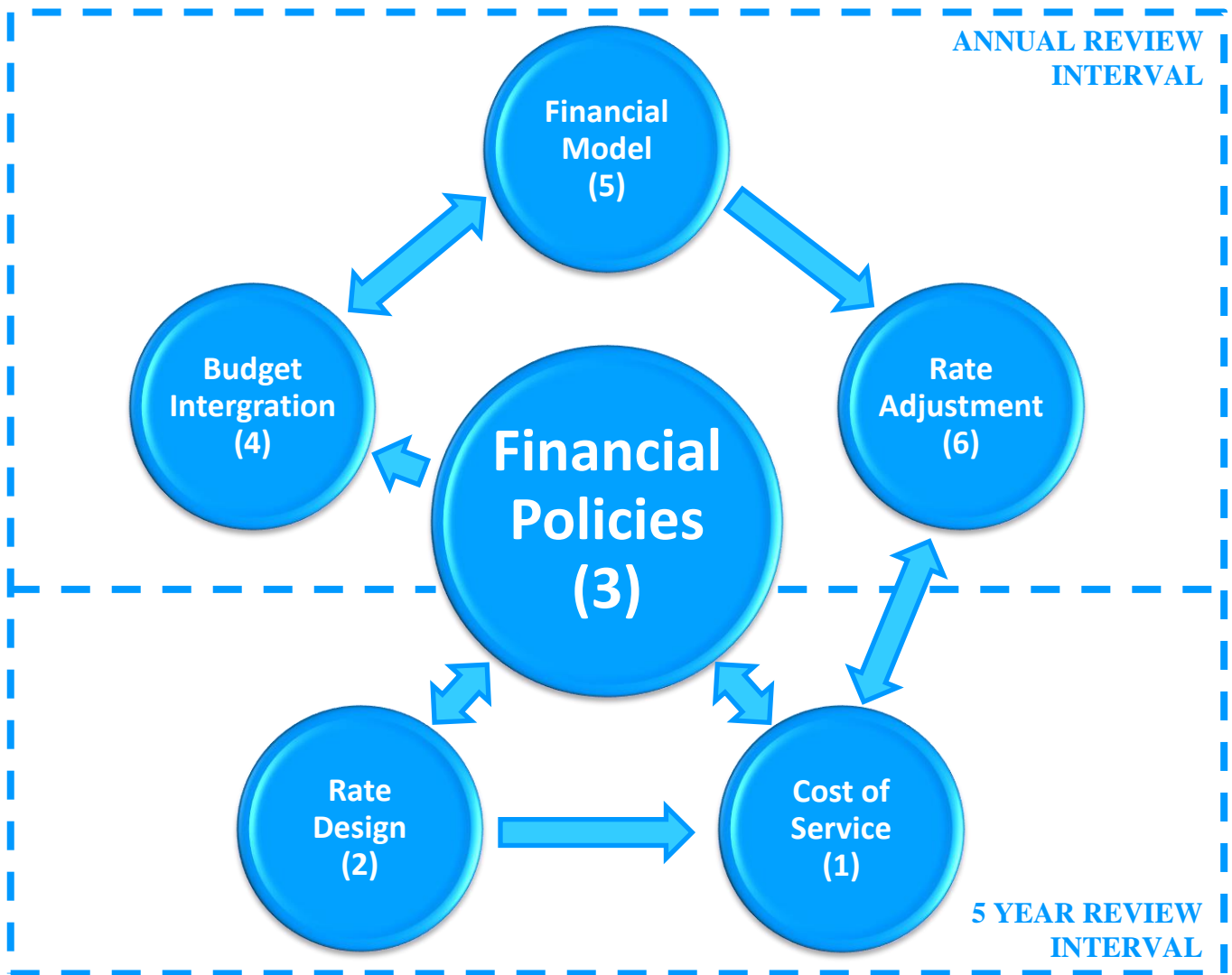
Given the significant investment in effort required to complete this review, Public Works has developed a plan that will serve as a guiding document through this process. Each defined sub section will be evaluated at a high level, prior to engaging in a full detailed process. In addition, the breadth of the assessment can be varied based on the desired outcomes.

The plan has been divided in to six sub section:

- 1) Cost of Service – ensures customer class equity
- 2) Rate Design – determines how customer class equity is implemented and charged
- 3) Financial Policies – guides long term planning and rate decisions
- 4) Budget and CIP Integration – covers short term utility needs and operations
- 5) Financial Model Modifications – optimizes accuracy and suitability in results
- 6) Rate Adjustment – culmination of sections 1 through 5

While the sub sections can be evaluated separately, each is interrelated and can result in the need for an iterative process between sub sections to accommodate modifications. As to be expected, the greater the change impact, the more complexity will be introduced in the process. Below is a flow chart delineating the relationships and interactions between sub sections.





Schedule:

Today	– Cost of Service (1)
May 10 th	– Final Cost of Service (1), Tentative Draft Rate Design (2)
July 19 th	– Draft/Final Rate Design (2), Draft Fin. Policies (3)
September 13 th	– Final Fin. Policies (3), Budget/CIP (4), Model Mods (5)
November 8 th	– Final Rate Adjustments (6)
March/April 2020	– City Council Rate Approval
May 1, 2020	– Effective Date of New Rates



To: Utility Committee
From: Cory Peterson, Water Resources Engineer
Date: 4/12/19
Re: Cost of Service for Water

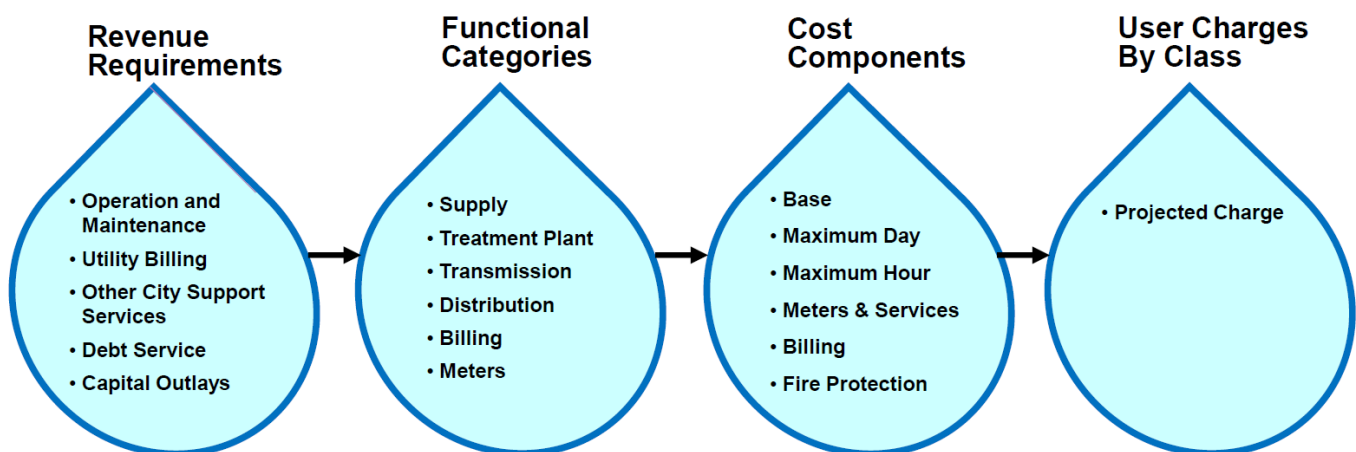
Summary:

As part of the 2013/2014 Water, Wastewater Stormwater Utility Rate Study, a Cost of Service (COS) analysis was performed for the water and wastewater funds. This analysis employed the base-extra capacity methodology supported by the AWWA Rate Manual. The conclusion of the COS indicated that single-family residential class was being subsidized by other customer classes. As compensation to ensure equity, adjustments of a 35% increase to residential rates and a 29% reduction to commercial rates were applied to the 2015 water rates. The adjustments were designed to eliminate the subsidies and ensure each class was covering their proportional responsibility in costs.

Verification:

Staff have recently completed a preliminary COS utilizing 2017 data. These COS analyses followed the same base-extra capacity methodology.

The base-extra capacity methodology begins with the total revenue requirements for each fund. The revenue are divided in to six categories. Each category is then assigned to a cost component. The cost components are then summarized into projected charges by class. The following figure illustrates the process.



- **Revenue Requirements:**
Revenues were derived from actual expenses and taken directly from the financial records for the given year.
- **Functional Categories:**
Expenses were split between Operation and Maintenance (O&M) accounts and Capital Improvements Projects (CIP) accounts. CIP accounts were assigned directly to each category. O&M accounts were allocated based on percentages. These percentages are highlighted in the table below. Central Charges and Water Utility Engineering were developed as a composite of the total of the other expenses.

Expenses by Sub Account (City Budget)	Category Allocations
Utility Billing	50% Billing, 50% Meters
Water Plant Operations	100% Treatment
Raw Water Operations	100% Supply
Distribution	50% Transmission, 50% Distribution
WTP Building Maintenance	100% Treatment
Central Charges	19% Supply, 58% Treatment, 9% Transmission, 9% Distribution, 2.5% Billing, 2.5% Meters
Water Utility Engineering	Same as Central Charges

- **Cost Components:**
Maintaining the separation between O&M and CIP, each Category was applied to a distinct component. O&M were distributed as follows:

Components	O&M Allocation
Base Demands	100% Supply, 50% Treatment, 50% Transmission
Peak Day Demands	50% Treatment, 50% Transmission
Peak Hour Demands	N/A
Distribution	100% Distribution
Billing	100% Billing
Meters	100% Meters (meter capacity & meter costs)

CIP categories utilized the same allocation as the O&M with the inclusion of a storage component.

Components	CIP Allocation
Base Demands	100% Supply, 50% Treatment, 50% Transmission, 25% Storage
Peak Day Demands	50% Treatment, 50% Transmission, 25% Storage
Peak Hour Demands	50% Storage
Distribution	100% Distribution
Billing	100% Billing
Meters	100% Meters (meter capacity & meter costs)

The conclusion of this step results in a unit cost of service per component. Table WCOS-5, from the 2014 Rate Study was reconstructed with 2017 data and presented below.



TABLE WCOS-5

Water Utility
Unit Cost Of Service
2017 Test Year

Line No.	Description	Total (\$)	Base (\$)	Extra Capacity		Customers		
				Max Day (\$)	Max Hour (\$)	Local Dist. (\$)	Billing (\$)	Meters (\$)
1	Operating Expenses	3,135,134	1,636,950	1,054,221	0	279,670	82,147	82,147
2	Capital Costs	2,883,694	1,631,619	516,140	182,995	544,899	0	8,041
3	Total Revenue Requirements	6,018,828	3,268,569	1,570,361	182,995	824,569	82,147	90,188
4	NET COST OF SERVICE	6,018,828	3,268,569	1,570,361	182,995	824,569	82,147	90,188
			(1,000 gal)	(1,000 gpd)	(1,000 gpd)	(Equiv 3/4-in. meters- meter capacity)	Monthly Bills	(Equiv 3/4-in. meters- meter capacity)
5	UNITS OF SERVICE		1,046,385	2,996	8,863	115,510	86,928	99,161
6	UNIT COST OF SERVICE- \$ per unit		3.1237	524.0888	20.6467	7.1385	0.9450	0.9095
Adjustment Allocation Factors			65.1%	31.3%	3.6%			

For the next step, water usage or demand by customer class were developed using standard demand factors.

Component	Standard Demand Factors	
Base Demands	All classes	100%
Peak Day Demands	Demand factors by class:	
	Irrigation	260%
	Single family	200%
	Commercial	180%
	Multifamily	150%
Peak Hour Demands	Demand factors by class:	(Double Peak Day)
	Irrigation	520%
	Single family	400%
	Commercial	360%
	Multifamily	300%

- **User Charges:**
Class demands are then multiplied by the unit cost of service per component to reach a projected COS by class. The COS is then adjusted to reallocate for fire protection and the Utility City accounts.

TABLE WCOS-7

Water Utility
Comparison of Costs Of Service
With Revenue Under Existing Rates
2017 Test Year

Line No.	Customer Class	Revenue Under Existing Rates \$	Cost of Service Findings			Adjusted Cost of Service Findings				
			Cost of Service \$	Revenue Increase \$	Revenue Increase %	Reallocation of Fire Protection \$	Reallocation of 100% of City COS \$	Adjusted Cost of Service \$	Revenue Increase (\$)	Revenue Increase (%)
1	Single Family	3,387,638	3,237,664	(149,974)	-4.4%	162,910	104,372	3,504,946	117,308	3.5%
2	Multifamily	303,195	398,120	94,925	31.3%	22,426	12,834	433,380	130,185	42.9%
3	Commercial	1,623,747	1,554,408	(69,340)	-4.3%	40,025	50,109	1,644,542	20,795	1.3%
4	Irrigation	72,896	63,579	(9,317)	-12.8%		2,050	65,629	(7,267)	-10.0%
5	City	369,021	358,765	(10,256)	-2.8%		11,565	370,331	1,309	0.4%
6	Non Revenue City	\$0	180,931	180,931			(180,931)	-	-	
7	Fire Protection	\$0	225,361	225,361		(225,361)		-	-	
Total City		\$5,756,498	\$6,018,828	\$262,330	4.6%	\$0	\$0	\$6,018,828	\$262,330	4.6%



2017 Water Cost of Service:

The cost breakdown between the commercial accounts (multi-family, commercial and irrigation) is calculated by the COS and is a theoretical representation. To improve the comparison, the commercial accounts were combined as a single figure to match how actual revenue is compiled and reported. Below are the results of the cost of service analysis based on 2017 data for residential and commercial groups.

Residential Projections	Annual Revenue	% of (Total Revenue)	Change from Actual
2017 Actuals	\$3,387,638	58.8% (\$5,756,498)	
2017 Cost of Service	\$3,237,664	53.8% (6,018,828)	-4.4% (-\$149,974)
2017 Cost of Service (Adjusted)	\$3,504,946	58.2% (\$6,018,828)	3.5% (\$117,308)

Commercial Projections	Annual Revenue	% of (Total Revenue)	Change from Actual
2017 Actuals	\$2,368,860	41.2% (\$5,756,498)	
2017 Cost of Service	\$2,374,872	39.5% (6,018,828)	0.3% (\$6,012)
2017 Cost of Service (Adjusted)	\$2,513,882	41.8% (\$6,018,828)	5.7% (\$145,022)

The overall shortage in total revenues between actuals and calculated COS is attributable to the generalization and assumptions within the COS calculations. An example of one of the assumptions would be a new home being built in October. Actual revenues would only be received in November and December, whereas the COS assumes this account would generate revenue for the whole year. Sensitivity analysis of the COS, shows that the percentage of total revenue is constant and independent of total revenue. As a result, the percentage of total revenue provides the best validation for a COS analysis.

The 2017 COS shows a deviation of approximately 0.6% (\$36,100) between actuals and the adjusted COS percentage of total revenue. This translates to a 0.6% overage in the single-family residential class and a 0.6% underage in the commercial class. This 0.6% variance is well within a standard margin of error and would indicate that the class equity is being maintained. Therefore, future rate adjustments based on COS are not necessary.

Utility Financial Review and Rate Setting Plan – Steps:

- | | | |
|--------|---|-------------------------------------|
| 1) | Confirm high level Cost of Service Review | <input checked="" type="checkbox"/> |
| 1a) | Review Cost of Service Customer Classes
(i.e. Commercial vs Commercial with Outdoor) | <input type="checkbox"/> |
| 2) | Rate Design | <input type="checkbox"/> |
| 3) | Financial Policies | <input type="checkbox"/> |
| 4) | Budget / CIP 2020 | <input type="checkbox"/> |
| 5 & 6) | Proposed Rate Adjustments for May 1, 2020 | <input type="checkbox"/> |



2020 Preliminary Rates Scenarios

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
2019 Water Rate Increases (Approved March 19th Council Meeting - Effective May 1st)										
RATE	0%	1.2%	1.6%	1.7%	1.8%	1.8%	1.8%	1.9%	1.9%	1.9%
Scenario 1 (Recommended) - Modified Water Rate Increases (All Projects)										
RATE	0%	5.1%	5.1%	5.1%	5.1%	5.1%	1.8%	1.9%	1.9%	1.9%
CHANGE	0%	+3.9%	+3.5%	+3.4%	+3.3%	+3.3%	0.0%	0.0%	0.0%	0.0%
Scenario 2 - Modified Water Rate Increases (All Projects - delete Admin Building Project)										
RATE	0%	3.8%	3.8%	3.8%	3.7%	3.7%	1.8%	1.9%	1.9%	1.9%
CHANGE	0%	+2.6%	+2.2%	+2.1%	+1.9%	+1.9%	0.0%	0.0%	0.0%	0.0%
Scenario 3 - Modified Water Rate Increases (All Projects - maintain current Reuse Rate)										
RATE	0%	3.5%	3.4%	3.4%	3.4%	3.4%	1.8%	1.9%	1.9%	1.9%
CHANGE	0%	+2.3%	+1.1%	+1.0%	+0.9%	+0.9%	0.0%	0.0%	0.0%	0.0%

Solid Waste & Recycling Utility Fund

Account No.	Account Description	2009 Actual	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Actual	2016 Actual	2017 Actual	2018 Budget	2019	2020	2021	2022	2023	2024	Notes
	Beginning Working Capital	-	9,527	48,280	81,524	88,379	53,692	77,592	35,420	(6,789)	17,861	80,333	133,950	184,975	233,023	272,580	286,122	
	Administrative Fee Amount							Accounts	5,283		\$ 2.35	\$ 2.35	\$ 2.35	\$ 2.35	\$ 2.35	\$ 2.00	\$ 2.00	7 & 10
	Hazardous Waste Fee Amount							SFE	8,500		\$ 0.60	\$ 0.70	\$ 0.75	\$ 0.80	\$ 0.80	\$ 0.85	\$ 0.90	8
510032-431500	FEMA & State Grants - 2013 Flood	-	-	-	-	101	-	-	-	-	-	-	-	-	-	-	-	
510032-443200	Residential User Fee	586,593	1,003,504	1,037,958	1,086,913	1,128,232	1,227,599	1,394,851	1,399,199	1,424,193	1,478,480	1,520,469	1,563,650	1,608,058	1,653,727	1,700,692	1,748,992	3
510032-443400	Administration Fees	17,021	29,640	29,886	35,879	33,877	37,305	37,535	84,988	127,936	148,981	148,981	148,981	148,981	148,981	126,792	126,792	9
510032-443410	Boulder County Hazardous Waste Fee	-	-	-	-	-	44,814	49,317	49,660	54,834	61,200	71,400	76,500	81,600	81,600	86,700	91,800	1
510032-443420	Prepaid Extra Bag Tags	1,863	3,885	2,535	3,546	3,284	4,162	4,894	5,628	7,161	5,800	3,750	3,750	3,750	3,750	3,750	3,750	5
510032-443440	Recycling Revenue	-	20,446	53,766	34,466	11,091	13,908	4,806	10,112	-	-	-	-	-	-	-	-	
510032-443900	Delinquent Charges	-	2,985	3,963	3,276	3,375	3,656	3,706	3,887	3,496	3,750	3,500	3,500	3,500	3,500	3,500	3,500	5
510032-461100	Miscellaneous Revenues	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
510032-461100	Interest Earnings	(4,075)	219	2,202	1,437	1,170	878	946	291	(3)	1,070	-	-	-	-	-	-	5
510032-461100	Net Increase (Decrease) in Fair Value	(1,731)	(131)	(31)	(8)	-	-	-	(62)	-	-	-	-	-	-	-	-	5
	Total Revenue	599,671	1,060,548	1,130,279	1,165,509	1,181,130	1,332,322	1,496,055	1,553,703	1,617,617	1,699,281	1,748,099	1,796,381	1,845,888	1,891,557	1,921,434	1,974,834	
510481-511000	Regular Salaries	-	-	21,707	19,528	16,642	13,822	36,161	85,951	60,065	50,480	53,000	55,650	58,430	61,350	64,420	67,640	5
510481-511100	Variable Salaries	-	-	-	-	-	-	-	63	-	-	-	-	-	-	-	-	
510481-511200	Overtime	-	-	-	-	-	-	-	308	340	890	900	920	940	960	980	1,000	5
510481-512000	FICA Expense	-	-	1,413	1,443	1,246	966	2,368	5,540	4,761	3,640	4,120	4,330	4,540	4,770	5,000	5,250	5
510481-512100	Retirement Contribution	-	-	966	989	945	749	1,940	4,937	4,233	2,960	2,960	3,110	3,270	3,430	3,600	3,780	5
510481-512200	Workers Compensation	-	-	23	24	33	44	279	680	519	280	280	280	280	280	280	280	5
510481-512300	Unemployment Compensation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
510481-513000	Medical Insurance	-	-	2,341	2,495	1,927	1,647	4,473	8,116	6,868	6,420	6,870	7,350	7,860	8,410	9,000	9,630	5
510481-513100	Dental Insurance	-	-	-	-	-	-	-	316	534	500	540	580	620	660	710	760	5
510481-513200	Vision Insurance	-	-	-	-	-	-	-	77	120	100	110	120	130	140	150	160	5
510481-513300	Life Insurance, AD&D & LTD Insurance	-	-	-	-	-	-	-	346	553	460	490	520	560	600	640	680	5
510481-513400	Employee Assistance Plan	-	-	-	-	-	-	-	12	19	10	10	10	10	10	10	10	5
510481-520100	Office Supplies	-	-	-	-	-	-	-	15	-	-	-	-	-	-	-	-	5
510481-522500	Non-Capital Furn/Equip/Tools	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
510481-523100	Uniforms and Clothing	-	-	-	-	-	-	-	-	73	-	-	-	-	-	-	-	
510481-529550	Prepaid Extra Bag Tags	2,025	4,050	2,058	3,563	2,900	3,427	5,069	5,878	4,240	6,000	6,000	6,000	6,000	6,000	6,000	6,000	5
510481-532000	Advertising/Marketing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
510481-532020	Sustainability Initiatives	-	-	-	-	5,508	-	18,982	-	-	-	-	-	-	-	-	-	
510481-532200	Printing	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	
510481-532210	Travel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
510481-532220	Business and Auto Allowance	-	-	-	-	-	-	-	691	635	-	-	-	-	-	-	-	
510481-532230	Dues/Subscriptions/Books	-	-	-	-	-	-	-	89	-	-	-	-	-	-	-	-	
510481-533090	Boulder County Hazardous Waste	-	-	32,542	36,168	48,654	43,800	43,682	50,870	62,256	59,759	71,230	74,637	78,214	81,970	85,913	90,054	4
510481-535010	Communication Svcs-Cell Phone	-	-	-	-	-	-	-	222	120	-	-	-	-	-	-	-	
510418-535030	Comm Svcs-Internet/Cable	-	-	-	-	-	-	-	87	-	-	-	-	-	-	-	-	
510481-538100	Education Expense	-	-	-	-	-	-	-	119	-	-	-	-	-	-	-	-	
510481-538130	Louisville Recycling/Con Board	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
510481-540410	Professional Services - Investment Fees	-	(40)	11	6	6	-	7	(13)	-	20	20	20	20	20	20	20	5
510481-540415	Professional Services - Bank Fees	-	361	1,452	1,243	1,205	878	1,061	623	1,019	1,380	1,421	1,464	1,508	1,553	1,600	1,648	5
510481-540420	Professional Services - Recycling	-	-	-	-	-	-	12,668	12,971	1,839	13,000	13,000	13,000	13,000	13,000	13,000	13,000	2
510481-540470	Professional Services - Recording Fee	-	-	-	-	-	-	-	28	-	-	-	-	-	-	-	-	
510481-540480	Professional Services - Microfilming	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
510481-540590	Professional Services - Solid Waste Hauling	588,119	1,017,424	1,053,113	1,093,194	1,129,305	1,232,614	1,401,061	1,406,068	1,433,766	1,478,480	1,520,469	1,563,650	1,608,058	1,653,727	1,700,692	1,748,992	3
510481-540900	Professional Services - Other	-	-	-	-	7,446	10,475	10,476	11,286	11,007	12,440	13,062	13,715	14,401	15,121	15,877	16,671	5
510481-550020	Parts/Repairs/Maint-Equip	-	-	-	-	-	-	-	42	-	-	-	-	-	-	-	-	
510481-580040	Computer Replacement	-	-	-	-	-	-	-	585	-	-	-	-	-	-	-	-	
	Total Solid Waste Administration	590,144	1,021,795	1,115,626	1,158,653	1,215,817	1,308,422	1,538,228	1,595,911	1,592,967	1,636,809	1,694,482	1,745,356	1,797,840	1,852,000	1,907,893	1,965,575	
	Total Expenditures	590,144	1,021,795	1,115,626	1,158,653	1,215,817	1,308,422	1,538,228	1,595,911	1,592,967	1,636,809	1,694,482	1,745,356	1,797,840	1,852,000	1,907,893	1,965,575	
	Ending Working Capital	9,527	48,280	62,933	88,380	53,692	77,592	35,420	(6,789)	17,861	80,333	133,950	184,975	233,023	272,580	286,122	295,381	
	Capital % of Total Expenditures	1.61%	4.73%	5.64%	7.63%	4.42%	5.93%	2.30%	-0.43%	1.12%	4.91%	7.91%	10.60%	12.96%	14.72%	15.00%	15.03%	
	Average Single Hauler Monthly Invoice										123,207	126,706	130,304	134,005	137,811	141,724	145,749	
	Estimated Monthly Operating Reserve										(156,121)	(107,590)	(63,194)	(21,951)	10,620	16,992	18,891	6

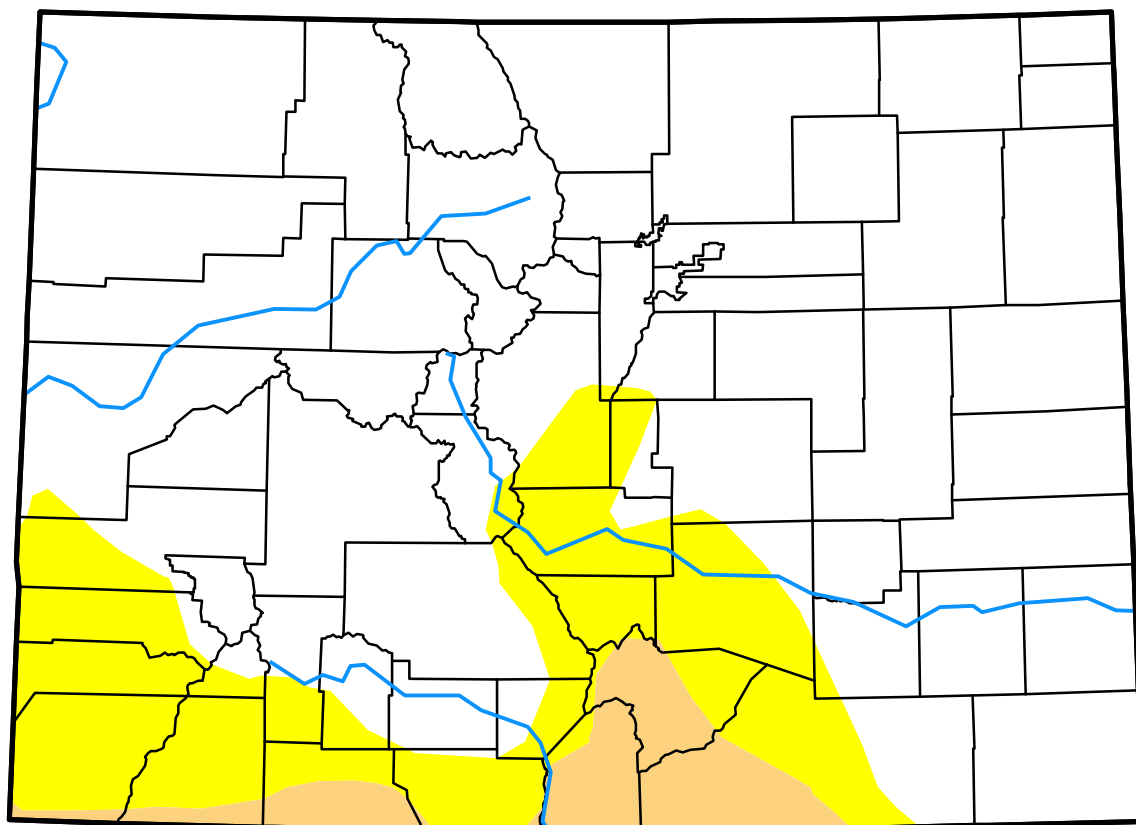
Employee Allocations by Org Code

Org Code	Description	Employee #	Employee Name	Group/BU	Percent of Salary Allocated to this Org
510481	CITY MANAGER	1972	BALSER, HEATHER	REG	0.75
510481	DIR IT	3522	NEVES, CHRISTOPHER	REG	0.5
510481	ADMIN ASST SR - P&R	2507	GILBERT, JAMES	REG	2
510481	PRO PROJ COORD-FAC	3831	ADLER, EMILY	VAR	3
510481	ADMIN ASST SR - PW	1208	HOLLE, KERRY	REG	5
510481	DIR PUBLIC WORKS	3383	KOWAR, KURT	REG	5
510481	EXEC ASST TO CTY MGR	3489	BURGESS, DAWN	REG	5
510481	DIR FINANCE	3052	WATSON, KEVIN	REG	2.5
510481	AP & COLLECTIONS SUP	2878	KREAGER, DIANE	REG	5
510481	ACCTG TECH I	3454	TREGAY, BOBBIEJO	REG	5
510481	ACCTG TECH I	3188	BAKER, SUSAN	REG	5
510481	ACCOUNTANT, SENIOR	3130	KELLEY, BARBARA	REG	5
510481	APP SUPPORT SPCLST	3837	RODRIGUES, REMY	REG	0.5
510481	SYSTEM ADMIN	4082	WOOLDRIDGE, DANIEL	REG	0.5
510481	DEPUTY CITY MANAGER	4123	DAVIS, MEGAN	REG	0.25
510481	ACCTG MGR	4132	GOLDEN, CARA	REG	5
510481	ERP APP ANALYST	4204	SQUIRES, ANDREW	REG	0.5
510481	IT SUPPRT SPECIALIST	4220	SCHWENGLER, JAMES	REG	0.5
510481	ACCOUNTANT, SENIOR	4225	BAKER, KIMBERLY	REG	5
510481	FACILITIES MNT MGR	4246	CALDERON, JORGE	REG	3
510481	DIR PARKS & REC	4294	MOSLEY, NATHAN	REG	1

Publish Date	Due By	Lead	Point Contact	Description	Content
May 13th-17th		Republic	Mark Petrovich	1st Introductory Flyer	Mockup by May 3rd.
May	22-Apr	Louisville	Emily Hogan	Utility Insert	Text, Formatting
Summer	22-Apr	Louisville	Emily Hogan	Summer Community Update	Article, Photos
June 1st	17-May	Louisville	Katie Zoss	City Open House	Table, Materials, In Person Representative
June 17th-21st		Republic	Mark Petrovich	Cart Selection Post Card	
June 24th-July 19th		Republic	Mark Petrovich	Cart Selection Website Live	
July 29th-Aug 2nd		Republic	Mark Petrovich	2nd Newsletter	
Aug 12th-Aug 16th		Republic	Mark Petrovich	Final Calendar Mailing	
Fall	22-Jul	Louisville	Emily Hogan	Fall Community Update	Article, Photos
Last 3 Weeks of August		Republic	Mark Petrovich	Drop Carts with Cart Hangers	
Week Sept 9		Republic	Mark Petrovich	Service Begins	

U.S. Drought Monitor Colorado

April 2, 2019
(Released Thursday, Apr. 4, 2019)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	78.01	21.99	4.74	0.00	0.00	0.00
Last Week 03-26-2019	74.78	25.22	4.74	0.00	0.00	0.00
3 Months Ago 01-01-2019	17.94	82.06	66.26	54.91	27.11	11.22
Start of Calendar Year 01-01-2019	17.94	82.06	66.26	54.91	27.11	11.22
Start of Water Year 09-25-2018	14.19	85.81	72.30	64.41	48.47	16.21
One Year Ago 04-03-2018	9.65	90.35	73.67	51.56	23.63	0.00

Intensity:

 D0 Abnormally Dry	 D3 Extreme Drought
 D1 Moderate Drought	 D4 Exceptional Drought
 D2 Severe Drought	

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

Curtis Riganti
National Drought Mitigation Center



Snow Water Equivalent

April Snotel Data

April 8, 2019, end of day

Percent NRCS 1981-2010 Average

